

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	("6282164").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/13 11:41
L3	9	("4592038"   "4945529"   "5353267"   "5737296"   "5835471"   "5909416").PN. OR ("6282164").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 11:41
L4	15	("5231620"   "5373492"   "5391865"   "5444224"   "5475670"   "5511059"   "5579298"   "5594712").PN. OR ("5835471").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 11:58
L5	15	("5231620"   "5373492"   "5391865"   "5444224"   "5475670"   "5511059"   "5579298"   "5594712").PN. OR ("5835471").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 12:12
L6	280	(diffract\$3 near7 grat\$3) with ((third or three) near5 (area\$1 or zone or region\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:10
L7	47	(phase) same 6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:21
L11	1	("6400664").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/13 12:56
L12	27	("4742218"   "4750162"   "4970710"   "5084849"   "5408452"   "5440536"   "5502708"   "5610883"   "5629911"   "5719839"   "5815473"   "5859819"   "5886964"   "5930220"   "6104689"   "6125087").PN. OR ("6400664").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 12:56
L13	8	"1220213"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:07
L14	1	"20040196771"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:08
L15	469	(SHIMANO near2 TAKESHI)or (NAKAMURA near2 SHIGERU) or (OHNISHI near2 KUNIKAZU) or (INOUE near2 MASAYUKI) or (FUKUI near2 YUKIO)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:09
L16	27250	(diffract\$3 near7 grat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:10
L17	113	15 and 16	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:10
L18	96	(phase\$1) and 17	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:12

## EAST Search History

L23	19	"832559"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 13:22
L24	19	"832559"	US-PGPUB; USPAT; USOCR; JPO	OR	OFF	2007/07/13 14:20
L25	3	2004-63073	US-PGPUB; USPAT; USOCR; JPO	OR	OFF	2007/07/13 14:20
S20	46428	(diffract\$3 near8 grat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/12 16:36
S21	20	("4519709"   "4602436"   "4677293"   "4778273"   "5033817"   "5214280"   "5264915"   "5428445"   "5497226"   "5519492").PN. OR ("5994692").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 11:40
S22	291862	(second or third) near7 area\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:43
S23	159185	(phase\$1 near8 shift\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:43
S24	1069	S22 same S23	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:44
S25	69	S20 and S24	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:52
S26	94695	("90" or "180" or "270") with (phase\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:53
S27	1299	S20 and S26	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:52
S28	21202	("90" or "180" or "270") with (phase\$1 near7 shift\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 17:05
S29	431	S20 and S28	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:53
S30	29098	(three near6 beam)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:53
S31	53	S29 and S30	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 16:53